

Chase Martin

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Projects

Fbclone (*Rails, React/Redux, PostgreSQL*) | [live](#) | [github](#)

Social networking platform inspired by Facebook

- Implements SPA architecture with React/Redux frontend and AJAX requests to a JSON API
- Features user authentication with BCrypt ruby gem to store salted and hashed passwords
- Minimizes ActiveRecord queries by fetching all user related data at login with single query
- Live chat feature uses bi-directional functionality via WebSockets with help of Pusher

Advanced Battleship (*JavaScript, Babylon.js, HTML5*) | [live](#) | [github](#)

WebGL implementation of the classic game, Battleship - features simulated ocean environment

- Utilizes a 3D interface with fluid animations to provide immersive and realistic gameplay
- Integrates with the Web Audio API to supply sound effects for missile launches and explosions
- Provides smart AI for computer player which emulates intuitive human player reactions

jQuaere (*JavaScript, HTML5*) | [github](#)

A lightweight DOM manipulation library

- Wraps around native DOM API to allow selection, creation and manipulation of DOM nodes
- Allows for AJAX request creation and execution with built-in method that provides defaults
- Extends and abstracts DOM event methods which allows user to quickly provide interactivity

Skills

Ruby | Rails | JavaScript | C++ | jQuery | AWS | React.js | Redux | PostgreSQL | HTML | CSS
SQL | Git | WebGL | Maya | Solidworks

Education

Web Development - *App Academy, NY (Fall 2016)*

- Graduated from an immersive full-stack web development bootcamp with less than 3% acceptance rate and rigorous weekly assessments to ensure retention of advanced concepts such as ADTs, algorithm time/space complexity, and meta programming

Computer Science - *Santa Monica College, CA (2012 - 2014)*

- Courses in data structures, computer architecture, linear algebra, C++ and OOP
- Left in good academic standing to pursue software engineering in a more direct path such as through personal projects and bootcamp enrollment

Professional Experience

General Manager - *M Café de Chaya, Los Angeles (Oct 2013 - Jan 2016)*

- Lowered operating costs by analyzing P&L reports, accounting, vendor contracts, MICROS POS configuration, and delivery systems with various custom built tracking systems
- Produced and maintained Excel workbook to optimize labor in relation to peak hours